**TARUN KUMAR**

**Unix/Linux Administrator**

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**PROFESSIONAL SUMMARY:**

* Having 6+ years of system admin experience in multiplatform **Unix** and **Linux** environments, with hands-on expertise in networking, scripting and system integration.
* Proficient in Linux Utilities: **KICKSTART**, **SSH**, **FTP**, **AUTOFS**, **Quota Management**, wrappers, User Management, **Process Management**, Memory Management, and Text processing tools, **Log Management**, Package Management, **Disk Management** and Swap Partition/Files Management.
* Expertise in writing **Shell Scripting** using **Ksh/bash** and to ease administration tasks.
* Experience in Installing, configuring and maintaining apache/tomcat, **samba**, send mail, and **Web sphere** and **web logic Servers**.
* Experienced in software installation, **upgrades/patches**, troubleshooting and maintenance on **Unix servers**
* Experience in NetApp **SAN/NAS**, **EMC** NAS/SAN storage configuration.
* Experience in Installation, Configuration, Implementation, up-gradation, Maintenance and Creating and maintaining **user accounts**, profiles, security, rights, disk space and process monitoring.
* Configured Networking Concepts **DNS, NIS, NFS and DHCP**, troubleshooting network problems such as TCP/IP, providing support for users in solving their problems.
* Capacity planning & Performance Analysis, **Uptime & Response** time analysis. Expertise implementation and maintenance of **NFS.**
* Deployed the applications to the Linux environments.
* Manage internal databases, from planning and testing stages through implementation and support.
* Involved in several projects setting up builds using **Ansible**, **Puppet** and Chef.
* Installed **Puppet Master**, Agent, Managed Puppet and wrote Modules and Manifests manually and used Puppet Forge to download Modules as well.
* Experience in Build automation tools like **Jenkins**, **GIT** and GITHUB.
* Built and deployed **Docker** containers.
* Installed, Configured, Managed Monitoring Tools such as **Dynatrace**, **Foglight**, **Splunk**, **Nagios**.
* **Monitoring/Network Monitoring/Log** Trace Monitoring.
* Troubleshooting network problems such as **TCP/IP**, providing support for users in solving their problems.
* Good presentation, customer support and trouble shooting skills &amp; experience in providing **24x7 supports.**

**TECHINICAL SKILLS:**

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| --- | --- |
| Operating Systems: | SUN Solaris 9,10,11, Red Hat Enterprise Linux & CentOS 4.x,5.x,6.x& 7.x, Ubuntu 10.x IBM AIX 6,7, MS DOS, Windows 95, 98, NT, 2000, XP, Vista, Windows 7 |
| Application Servers | WAS 7.X, 8.X JBoss AS 5.x, 6.x, 7.x and JBoss EAP 5.x, 6.x |
| Web Servers | Apache (httpd), apache-tomcat, nginx |
| Monitoring | Foglight, Dynatrace, Nagios and Splunk |
| Storage & Backup: | Solaris Volume Manager, RAID Manager 6.2, NAS, Netapp, SAN. |
| Databases: | Oracle, Microsoft SQL Server 2008, PL/SQL. |
| Third Party tools | Chef, Puppet, Ansible, Jenkins, GIT and GITHUB |
| Cloud Computing: | AWS, Openstack |
| Virtualization Tools | VMWarev sphere, ESX 5.x/6.0 |
| Languages: | C, C++, Java, html Shell, Ruby, Python. |

**EDUCATION QUALIFIFCATION**

Master’s in computer information sciences.

**WORK EXPERIENCE:**

**Kaiser Permanente, Pleasanton, CA Dec 17 – Till Date**

**Unix/Linux Administrator**

**Kaiser Permanente (KP) is an American integrated managed care consortium, based in Oakland, California, United States, founded in 1945 by industrialist Henry J. Kaiser and physician Sidney Garfield. Kaiser Permanente is made up of three distinct but interdependent groups of entities: the Kaiser Foundation Health Plan, Inc. (KFHP) and its regional operating subsidiaries; Kaiser Foundation Hospitals; and the regional Permanente Medical Groups.**

**Responsibilities:**

* Providing an environment and support to the Linux servers of different distributions like **Redhat**, **CentOS,** **Solaris** and **AIX.**
* Everyday health checking and Monitoring through **FogLight** and **Dynatrace** if issues were found then create a WO or SR of respective team.
* Experienced on ticketing tools like **BMC remedy** and **ServiceNow** working on Service request management, incident management and change management.
* Doing installations of required applications on the Linux servers of different distributions like **Redhat 6.x/7.x**, centos, Solaris and AIX using **YUM** and **RPM.**
* Configured and integrated the user environment using **NFS**.
* Experience in planning and implementing Database Security by creating Logins, **Users,** **Roles and assigning** permissions according to the requirement.
* Installations and migration of the database like **oracle 11g to 12c**
* Everyday checking the system health for all Linux servers such as CPU, **Memory, Disk** and Network Utilization, Storage Problems.
* Monitoring the Linux servers of different distributions like **Redhat, CentOS, Solaris** and AIX through **Foglight** and **Dynatrace** monitoring tool
* Built and deployed **Docker** containers.
* Extensively worked on **Jenkins** for continuous integration and for End to End automation for all build and deployments.
* Writing the **Ansible playbooks** for automation the tasks and monitor through the **Ansible Tower**.
* Managed **GitHub** repositories and permissions, including branching and tagging.
* Managed shared **NFS** files system, mounting and unmounting NFS server, NFS client on remote machine, sharing remote file folder, starting and stopping the **NFS** services.
* Configuration of **DNS and DHCP.**
* Installation and configuration of **Apache** web servers.
* **SSL** cert configuration in the **IBM infosphere MDM**
* Involving in weekly, monthly and quarterly **patching on Linux servers** of dev, test, non-prod and prod servers.
* Working on patches for the operating system, building startup **shell scripts**, managing the automation of **CRON** jobs and managing file systems
* Writing the **bash shell** scripting and automated the tasks using **crontab.**
* Writing the **Ansible playbooks** for automation the tasks and monitor through the **Ansible Tower**.

**Environment**: RHEL 6 &7, AIX 5 & 6, CentOS 6, Oracle 11g&12c WebSphere, WebLogic, Python scripts, Shell scripts, Ansible, Ansible Tower, Jenkins, Docker, Kubernetes, GitHub.

**Merck, Boston, MA Jan 17 – Nov 17**

**Unix/Linux Administrator**

**Merck & Co., Inc. is an American pharmaceutical company and one of the largest pharmaceutical companies in the world. The company was established in 1891 as the United States subsidiary of the German company Merck, which was founded in 1668 by the Merck family. Merck & Co.**

**Responsibilities:**

* Provide administration support for more than 600 servers of UNIX variants including Solaris, Red Hat Enterprise **Linux and AIX**.
* Installed, Deployed Red Hat Enterprise Linux 6.x/7.x, **CentOS** and installation of packages and patches for RedHat Linux Servers.
* Creating customized **Kickstart** profiles for each server and making ISO to build the server
* Applied patches every quarter regularly to meet audit requirements using Oracle Ops Center, **Red Hat Satellite server, Up2Date, YUM, RPM** tools.
* Performance Tuning and Management for Linux/AIX server and working with the application/database team to resolve issues.
* Worked on Installation/Configuration/Administrated **VMware ESXi 5.1/5.5 &; 6.0** and migrated existing servers into **VMware** Infrastructure
* Creating the file systems using **Red Hat volume manager** and performing the health check on regular basis for all Linux servers.
* Leveraged **Docker** Engine to run Multiple Tomcat Instances as Containerized AppServers.
* Deploying Oracle Hardware Management pack monitoring agents, configuring snmp traps and doing snmp walks.
* Administered security, **users, group’s administration** and daily backup and restore operations, networking service, performance, and resource monitoring and Performed **disaster recovery management procedures.**
* Upgraded **SQL Server** databases from **SQL Server 2000/2005** to **SQL Server 2008R2/2012**.
* Configured and integrated the user environment using **NFS** combined with **automount** and **autofs**.
* Experience in planning and implementing Database Security by creating Logins, Users, Roles and assigning permissions according to the requirement.
* Worked on installation and registration of **avamar** client on all Linux boxes.
* Worked on installation of **Zabbix a**gents on Linux/AIX servers
* Installed & configured oracle 10g and coordinating with the oracle team in maintaining the database.
* Supported Disk Volume Management creating volumes with **LVM**.
* Implemented and maintained Backup strategy with automated scripts using tar, dump, and cpio utilities. Also performed data files backup using Legato Backup utility.
* Experience with EMC powerpath, **SAN/NAS** storage, symmetrix and EMC clarion support
* Scheduling full and incremental backups using **NetBackup** on daily, weekly and monthly basis.
* Application Deployments & Environment configuration using Chef, Puppet
* Installed Teradata utilities for oracle teams in maintaining the database.
* Responsible for patches for the operating system, building startup shell scripts, managing the automation of **CRON** jobs and managing file systems
* Experienced with **AWS EC2, Route53 DNS, ELB, EBS, AMI, VPC**, Cloud Formation Templates, Cloud Watch
* Plan, deploy, monitor, and maintain Amazon **AWS cloud infrastructure** consisting of multiple EC2 nodes and **VMWareVm's** as required in the environment.
* Handled numerous Change Management requests on production servers and **Supported 24 X 7 Production on Call.**

**Environment**: RHEL 6 &7,AIX 5 & 6, CentOS 6, Puppet 3.0, Chef, AWS, EMC Powerpath, GIT, Jboss, Docker, Vagrant, Jenkins, Websphere, Weblogic, Python scripts, Perl Scripts, Shell scripts.

**Toys R US, Wayne, NJ Feb 16 – Jan 17**

**Unix/Linux Administrator**

**Toys "R" Us, Inc. is an American toy and juvenile-products retailer founded in 1948 and headquartered in Wayne, New Jersey, in the New York City metropolitan area.**

**Responsibilities:**

* Worked on installation, configuration and maintenance **Redhat**, **CentOS** and Servers at multiple Data Centers.
* Building the host using the Kick start and configuration of **LVM** and maintaining them
* Install and maintenance of **cobble**r boot Environment
* Scanning the newly assigned LUNs to the serves and assigning them to volume group and increasing the file system using **Red Hat volume manager**
* Mounting & un-mounting the Netapp storage LUNs to the Red Hat Linux servers and troubleshooting the issues encountered
* Planned and performed the upgrades on Linux operating systems and hardware maintenance on HP and POWER servers like increasing memory, disk, replacing failed hardware.
* Performed scripting on Perl and shell for monitoring and scheduling the Jobs.
* Configuring multipathing and **Logical volume manager** and trouble shooting them.
* Managing **Amazon Web Services (AWS)** infrastructure with automation and configuration management tools such as **Ansible**, **Puppet**, or custom-built. Designing cloud-hosted solutions, specific AWS product suit experience.
* Configuring the **FTP, DHCP, DNS** and troubleshooting them.
* Understanding of SAN and NAS storage and load balancing.
* Performance monitoring using **Sar, Iostat, VMstat and MPstaton** servers and also logged to munin monitoring tool for graphical view.
* Provided support for application SAS and fixed any app related issues coordinating with development and production support teams.
* Troubleshooting of **Logical Volume manager**. Configuration of Red Hat Clustering.
* Setup **LVM**. Install OS packages and patches. System security management. Worked on OS upgrade plan for Solaris on development and production servers.
* Worked on OS upgrade plan for Linux on development and production server
* Supported SQL queries and databases by updating and tuning in proper manner.
* Installed and configured **MySQL** on Linux servers.
* Installation, Configuration and administration of **DNS, LDAP, NFS, NIS, NIS**+ and Sendmail on Redhat
* Configuration and Administration of **Apache Web Server** and **SSL**.
* Created and maintained network users, user environment, directories, and security.
* Provide the support of building the server, patching, user administration tasks, deployment, software installation, performance tuning and troubleshooting and **KVM.**
* Excellent Knowledge of **ITIL process** for incident /change management
* Provided 24/7 on call supports on Linux Production Servers. Responsible for maintaining security on **Redhat Linux**.

**Environment:** RHEL 6 & 7, Subversion, DNS, LDAP, NFS, DHCP, FTP, GIT HUB, Jenkins, Java/J2EE, .NET, ANT, MAVEN, JIRA, Puppet, OpenStack, Apache Tomcat

* **Expertise and knowledge of Sun SPARC server class hardware**
* **Expertise installing, configuring, and support RHEL3 – 5**
* **Configuration and administration of Sun and Veritas logical volume manager.**
* **Solaris Patch and Package administration**
* **Writing shell scripts to accomplish day to day system administration task**
* **Knowledge of LDAP as a naming service on Solaris and RHEL**
* **Knowledge of Red Hat Kickstart**
* **Installing and Maintaining Solaris Wanboot / Jumpstart environment**
* **Expertise in administering NIS+ server and troubleshooting skills**
* **NFS and automounter skills required**
* **Understanding of SAN and NAS storage.**
* **Installation and configuration of HA environment using Sun and  Veritas Cluster.**
* **Excellent knowledge of ITIL process for incident  / change management.**
* **Strong communication skills are imperative, including assertiveness and taking ownership of issues and requests**
* **Expertise installing, configuring, and supporting the Solaris 8, 9, and 10 operating systems**
* **Expertise and knowledge of Sun SPARC server class hardware**
* **Expertise installing, configuring, and support RHEL3 – 5**
* **Configuration and administration of Sun and Veritas logical volume manager.**
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**CIG, Hyderabad IN. Jan 13 – Dec 15**

**Unix Administrator**

**It all started in picturesque Ventura, California. Near the turn of the century, farming and ranching had a rich and deeply rooted history in the area and was the most important economic activity in the region. In 1898, Ventura County Mutual Fire Insurance Company was formed by a group of prosperous California farmers.**

**From these humble beginnings, the company grew, merged, and evolved through the years into Capital Insurance Group® (CIG), the leading regional property and casualty insurer serving the Western United States.**

**Responsibilities:**

* Deployment, configuration and administration of **VMware VSphere 5.1** environments as well as Red Hat (5.xand 6.x) and **Oracle Enterprise Linux (OEL)** environment and installed required binaries and packages.
* Supported Solaris/Linux servers in production/QA/ Development Environment, including Solaris Zone and **RHEL VM’s**
* Support for Linux/Unix systems administration, operational support and problem resolution for server systems
* Created shared NFS files system, mounting and un-mounting **NFS** server, NFS client on remote machine, sharing remote file folder, starting &Stopping the NFS services.
* Done with **LAMP** Setup in RHEL, **MySQL** setup, Performance Tuning, Replication, Commands, Backup and over all Administration
* Installation/Activation of F5 Load balancers, configure routing logic, creation of new service pools, members, virtual servers etc.,
* Managed shared **NFS** files system, mounting and unmounting NFS server, NFS client on remote machine, sharing remote file folder, starting and stopping the **NFS** services.
* Worked on configuration and administration of **LVM** as extending Logical Volume and Physical Volume Size.
* Manage daily system administration cases using **BMC Remedy** Help Desk.
* Setup **VMware ESXi**. Setup AIX VIO and LPAR for IBM eServer p5 Servers. Setup LVM. Install OS packages and patches. System security management.
* Ability to carry out security tasks at network level such as block/unblock **TCP/IP** ports through firewall on both Linux and block/unblock remote access to MySQL server.
* Managed the complete **Network File System (NFS).**
* Performance monitoring with conventional tools such as top, SAR, netstat, iostat, etc.
* Monitor and maintain the disk space, backup systems and tape libraries and Implement change controls, capacity planning and growth projections on the systems.
* Maintain and schedule company backups and participate in disaster recovery planning, Zoning on Fiber Channel Switches, load balancing the network.
* Planning and coordinating activities related to upgrades and maintenance on the systems.
* Clustering and Cluster management on the servers using VERITAS Cluster Server 2.0 & 3.5.
* Backup Scheduling using the full and incremental backups on tapes and taking backup/restores using ufs dump and ufs restore commands.

**Environment:** RHEL 5& 6, OEL 5, Solaris, VMWare vsphere 5.1, AIX, NFS, TCP/IP, BMC Remedy, Shell scripting, VERITAS Cluster server.

**BSNL, Hyderabad IN. May 12 – Dec 12**

**Unix administrator**

**Bharat Sanchar Nigam Limited (abbreviated BSNL) is an Indian state-owned telecommunications company headquartered in New Delhi. It was incorporated on 15 September 2000 and assumed the business of providing telecom services and network management from the erstwhile Central Government Departments of Telecom Services (DTS) and Telecom Operations (DTO) as of 1 October 2000 on a going-concern basis. It is the largest provider of fixed telephony and a broadband service with more than 60% market share, and is the fifth largest mobile telephony provider in India.**

**Responsibilities:**

* Build new Solaris, Linux and AIX servers. Upgrade and patch existing servers. Compile, built and upgrade Linux kernel. Setup and test Red Hat Linux cluster. Configure Solaris zones (containers).
* Configured the NIS, NIS+ and DNS on Red Hat Linux 5.1 and update NIS maps and Organize the RHN Satellite Servers in combination with RHN Proxy Server
* Installed and configured the RPM packages using the YUM Software manager.
* Conduct project planning and status reporting. Independently setup and administer DNS, DHCP and DDNS (Dynamic DNS) using ISC software, including DNS security using TSIG, chroot-BIND
* Worked with Telnet, FTP, TCP/IP, iLink, rlogin, used to inter-operate hosts.
* Installed managed VERITAS Volume Manager 3.5 (VxVM) on Solaris 9
* Performed regular day-to-day system administrative tasks including User Management, Backup, Network Management, and Software Management including Patch updates, Documentation etc.
* Worked on OS upgrade plan for Solaris on development and production servers.
* Involved in developing custom scripts using Shell (bash, ksh) to automate jobs.
* Defining and Develop plan for Change, Problem &amp; Incident management Process based on ITIL.
* Merged the generated reports as per request. Formatted data into required format using UNIX Shell Scripts, SED and Awk.
* Installed, maintained and troubleshoot NFS.
* Implemented and maintained Backup strategy with automated scripts and using UFSDUMP, BACKUP, tar, cpio etc.
* Performed reorganization of disk partitions, file systems, hard disk addition, and memory upgrade.
* Performance monitoring done with conventional tools such as SAR, iostat& netstat.
* Monitored system activities, log maintenance, and disk space management.

**Environment:** RHEL 4,5& 6, Solaris 9,10 &11, IBM AIX 4 & 5, YUM, DNS, DHCP, FTP, NFS, Veritas Volume Manager